

## SOIL MOIST PLANT TABS

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High performance Plant Tabs for all plants contain beneficial Ectomycorrhizal and Endomycorrhizal fungi with timed release fertilizer with organic matter and micronutrients. The tabs are organically based with twelve specifically selected highly effective mycorrhizal fungi to make plants stronger and survive transplanting.

### TECHNICAL

Mycorrhiza is a fungus found in undisturbed soils with other beneficial soil organisms. Today's common practices such as tillage, site preparation, road and home construction, mining and removal of topsoil can degrade the mycorrhiza forming potential of soil. These activities can reduce and eliminate these beneficial soil fungi. The reintroduction of mycorrhizal in areas where they have been disturbed and depleted can dramatically improve plant growth and establishment.

Mycorrhizal fungi colonize plant roots and extend far into the soil resource. The fungi improves the ability of plants to utilize the soil resources by ten to several hundred times. Mycorrhizal filaments can extend for several miles in just a thimble of soil. The filaments are an extension of the plants root system.

Mycorrhizal fungi improve water and nutrient uptake by providing a larger root mass. The fungi releases chemicals into the soil which dissolve essential minerals not normally available to the plant such as iron, phosphorous and other bound nutrients. This extraction of minerals is important in plant nutrition and helps explain why non-mycorrhizal plants require high levels of fertility. The fungi create a web mass that captures and assimilates nutrients.

The mycorrhizal fungi help reduce plant stress and disease. The larger root mass and web of fungal filaments help increase water absorption. Mycorrhizal fungi attack pathogen or disease organisms entering the root zone of the fungal filaments. Specific antibiotics produced by the fungi kill and immobilize disease organisms. Some fungi protect pine trees from Phtophthora, Fusarium and rhizoctonia disease.

Soil structure is improved with the introduction of mycorrhizal fungi. The mycorrhizal filaments produce humic compounds and organic glues (extracellular polysaccharides) that bind soil into aggregates for increased soil porosity. Soil structure and porosity increases plant growth survivalability by promoting root growth and distribution, aeration and water penetration into the root zone.

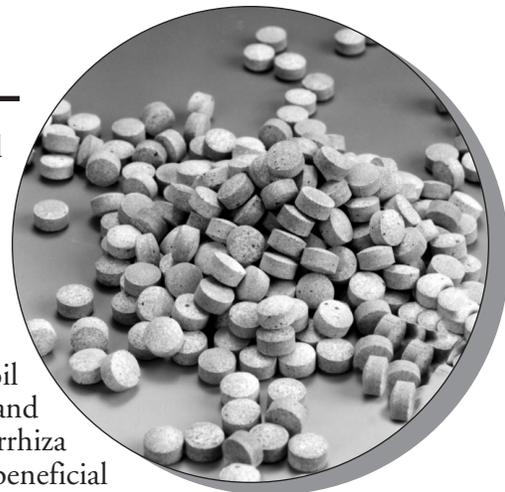
Each tablet contains **Ten Million** spores from five types of specifically selected ectomycorrhizal fungi. These five types of spores are effective in increasing water and nutrient uptake, reduction in plant disease and improvements in soil structure. The five spore types of Ectomycorrhizal fungi; Pisolithus tinctorius, Rhizopogon roseolus, Rhizopogon fulvicleba, Rhizopogon villosuli, Rhizopogon amylopogon are the most diverse and effective blend that can be used in all planting zones and regions. The Plant Tabs contain **fifty** spores from seven types of specifically selected Endomycorrhizal fungi. This combination of high spore counts of endo and ecto spores gives the tablet a broad range of planting applications. Each tablet is combined with low levels of timed release fertilizers that encourage mycorrhizal growth. The fertilizer in a fulvic acid base is an extract of organic matter that encourages microbial activity. Fulvic acid is a naturally occurring antioxidant that is a strong chelater making important nutrients bio available. Each tablet contains a rooting hormone, IBA (Indole Butyric Acid). The shelf life of Plant Tabs is three years.

### PRODUCT BENEFITS

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The Plant Tabs contain twelve types of specifically selected highly effective mycorrhizal fungi with a high spore concentration that:

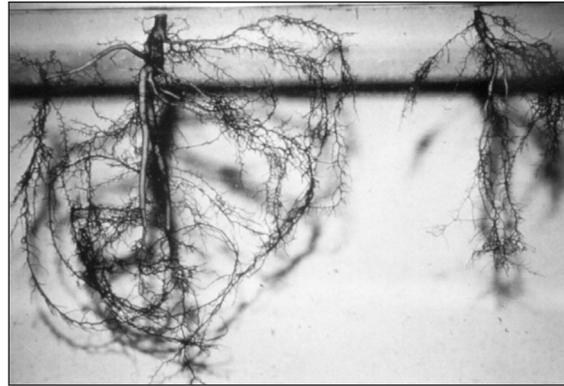
- Improves soil and plant ecosystem
- Increases plant establishment and growth
- Reduces transplanting stress and plant loss
- Increases nutrient and water uptake
- Improves soil structure and porosity
- Reduces fertilizer use





Root mass growth difference with (left) and without (right) Soil Moist mycorrhizal.

Rose plantings with (left) and without (right) plant tabs. In twelve weeks the number of flowers averaged 8 with the Plant Tabs vs. 2 without the Tabs.

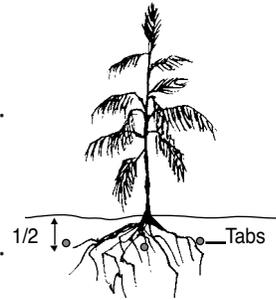


## APPLICATION INSTRUCTIONS

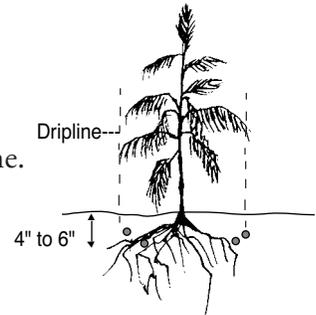
**DIRECT SOWING:** Place one Tab one inch from the seed beneath the soil surface.

**TRANSPLANTING:** Place the Tab(s) 1/3 to 1/2 at the depth of the root zone system. (See rate chart)

**EXISTING PLANTS IN CONTAINERS:** Place the Tab(s) 1/3 to 1/2 at the depth of the root zone system. (See rate chart)



**EXISTING PLANTS IN THE FIELD:** Place the Tab(s) 4 to 6 inches deep in the soil near the drip line.



## RATE CHART

### Number of Tabs

1

2

4

8

Use ten (10) plant tabs per caliper inch

### Height of plant

Seeds

< 1 foot tall

1 - 2 feet tall

2 - 4 feet tall

## COMPATIBILITY

The blend of twelve spore types of mycorrhizal fungi allows the Plant Tab to have a wide variety of planting applications. The Plant Tab is compatible for all types of plants and shrub species except Laurels, Azaleas and Rhododendrons.

*For more information on other beneficial mycorrhizal products, refer to Form 780.*

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